

Ceramic AC Capacitors

Class X1, 760V_{AC} / Class Y1, 500V_{AC}

DESIGN:

Disc capacitors with epoxy coating

RATED VOLTAGE U_R:(X1): 760V_{AC}, 50Hz (IEC 60384-14.2)(Y1): 500V_{AC}, 50Hz (IEC 60384-14.2)250V_{AC}, 60Hz (UL1414, CSA C22.2)**DIELECTRIC STRENGTH BETWEEN LEADS:**

Component test:

4000V_{AC}, 50Hz, 2s

As repeated test admissible only once with

3600V_{AC}, 50Hz, 2s

Random sampling test (destructive test):

4000V_{AC}, 50Hz, 60s**DIELECTRIC STRENGTH OF BODY INSULATION:**4000V_{AC}, 50Hz, 60s (destructive test)**DISSIPATION FACTOR tan δ:**≤ 25 • 10⁻³**INSULATION RESISTANCE R_{is}:**≥ 10 • 10⁹Ω**CATEGORY TEMPERATURE RANGE θ_A:**

(- 40 to +125)°C

CLIMATIC CATEGORY ACC. TO EN60068-1:

40/125/21

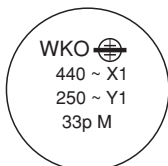
COATING:Epoxy dipped, insulating, flame retarding acc. to
UL 94V-0**TAPING AND SPECIAL LEAD CONFIGURATIONS:**

On request

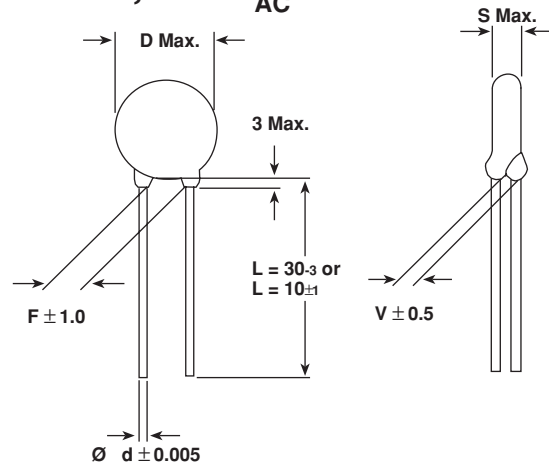
MARKING:

D ≤ 9mm

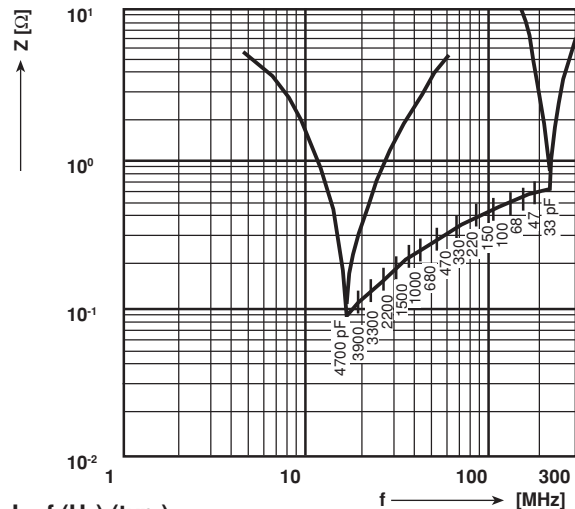
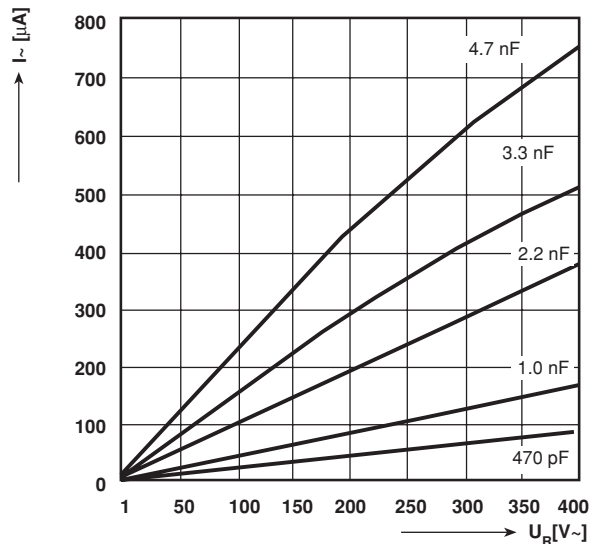
D ≥ 10mm



All approval marks are also shown on the label.



• Dimensions in mm

Impedance (Z) as a function of frequency (f) at T_a = 20°C (average). Measurement with lead length 6mm.I = f (U_R) (typ.)



CAPACITANCE (pF)	D x s Max. (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE	CERAMIC DIELECTRIC
33	8.0 x 6.0	12.5	0.6	1.9	WKP330□CP□□□K	N 750
47	8.0 x 6.0			2.3	WKP470□CP□□□K	K 1200
68	8.0 x 6.0				WKP680□CP□□□K	
100	8.0 x 6.0				WKP101□CP□□□K	K 1500
150	8.0 x 6.0				WKP151□CP□□□K	K 2000
220	8.0 x 6.0				WKP221□CP□□□K	
330	8.0 x 6.0		0.8	2.5	WKP331□CP□□□K	K 4000
470	8.0 x 6.0				WKP471□CP□□□K	
680	9.0 x 6.0				WKP681□CP□□□K	
1000	10.0 x 6.0			2.7	WKP102□CP□□□K	
1500	12.0 x 6.0				WKP152□CP□□□K	
2200	13.0 x 6.0				WKP222□CP□□□K	
3300	15.0 x 6.0				WKP332□CP□□□K	
3900	16.0 x 6.0				WKP392□CP□□□K	
4700	18.0 x 6.0				WKP472□CP□□□K	

*Standard lead configuration, other lead spacing and diameter available on request.

Capacitance Tolerances: ± 10%, ± 20%

Ordering Code:			
☐ 7th digit:	Capacitance tolerance:	± 10% = K	
☐ 10th/11th/12th digit:	Lead configuration (See General Information)	± 20% = M	

APPROVALS

IEC 60384-14 2ND edition (1993) Table II & A 1 (1995-06) EN 132400 (1994) These approvals together with the CB-Test Certificate substitutes the national approval of the nations given in the table below	(Y1) CB-Test Certificate (X1) CB-Test Certificate	Fi 336A 2 (250V _{AC}) Fi 436A 1 (440V _{AC})	
	(Y1) CB-Test Certificate (X1) CB-Test Certificate	DE 1-8208 (500V _{AC}) DE 1-8208 (760V _{AC})	
UL 1414	Across-the-line antenna-coupling and line-by-pass capacitor	E 183844 V1 S1 (250V _{AC})	
CSA C22.2 No. 1-M1981	Across-the-line, line-to-ground and antenna isolation capacitor	LR 64546-2 (250V _{AC})	

This approval mark together with the CB-Certificate replace all national approval marks of the following countries (they have already signed the CB-Agreement):

Austria	Belgium	Denmark	Finland	Sweden
France	Germany	Ireland	Italy	Switzerland
Netherlands	Israel	Portugal	Spain	Great Britain
Japan	Norway	China	Poland	Czech. Republic
Singapore	Rep. of Korea	Hungary	Iceland	Slovenia